

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- Branch of biology that deals with the study of insects is called:

- (a) Physiology
- (b) Histology
- (c) Entomology ✓
- (d) Genetics

2- Which organism has colonial organization:

- (a) Mustard plant
- (b) Frog
- (c) Amoeba
- (d) Volvox ✓

3- Tentative explanation of observations is called:

- (a) Hypothesis ✓
- (b) Deduction
- (c) Theory
- (d) Scientific law

4- Scientific name of human being is:

- (a) Pisum sativum
- (b) Homo sapiens ✓
- (c) Rosa indica
- (d) Allium cepa

5- Major component of plants cell wall is:

- (a) Chitin
- (b) Peptidoglycan
- (c) Cellulose ✓
- (d) Cholesterol

6- Photograph taken through a microscope:

- (a) Microscopy
- (b) Magnification
- (c) Micrograph ✓
- (d) Resolution

7- Which stage of cell division is different in animals and plants cells:

- (a) Metaphase
- (b) Anaphase
- (c) Telophase
- (d) Cytokinesis ✓

8. Induced Fit Model proposed by:
- (a) Emil Fischer
 - (b) Daniel Koshland ✓
 - (c) Robert Hook
 - (d) Schwann
9. Which of these can enter into Krebs cycle:
- (a) Glucose
 - (b) Pyruvic acid
 - (c) Citric acid
 - (d) Acetyl Co-A ✓
10. Process of break down of large droplets of lipids in the small droplets:
- (a) Emulsification ✓
 - (b) Absorption
 - (c) Peristalsis
 - (d) Digestion
11. Which blood vessels carry de-oxygenated blood:
- (a) Renal artery
 - (b) Aorta
 - (c) Pulmonary vein ✓
 - (d) Pulmonary artery
12. In a tissue, capillaries join to form small veins:
- (a) Lumen
 - (b) Venules ✓
 - (c) Capillaries
 - (d) Arterioles